



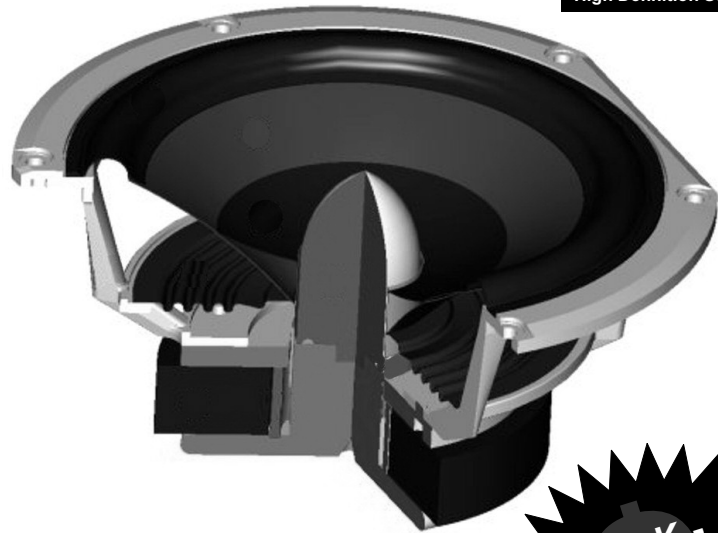
XLS
 EXTRA Long Stroke

STATE OF THE ART DRIVERS
 CUTTING EDGE TECHNOLOGY
 AUDIOPHILE MEASURE
 DANISH DESIGN EXCELLENCE
 FAITHFUL REPRODUCTION
 DVD & DIGITAL READY
 INDEPENDENTLY TESTED (SSS)

PEERLESS SPEAKERS *MADE IN DENMARK*

HDS
 High Definition Series

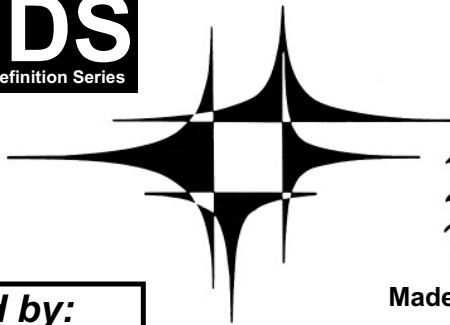
Peerless of Denmark are one of the oldest and best speaker manufacturers in the world. Peerless have been producing quality audio products in Denmark for more than 75 years and are suppliers to leading exotic electronic Hi-Fi manufacturers. Peerless is a company with tradition and extensive experience. They and are known leaders in the pursuit of audio excellence. Using both human and computer technologies, modern in-house resources for R&D, testing and manufacture, their drivers are at the forefront of audio for the demands of the digital age. Others can only follow. The Peerless philosophy and the companies standing in the industry is recognized world-wide. WES Components is proud to be associated with this product and we look forward to future development of this range.



BULK - OEM PRICES AVAILABLE
 Please Enquire



HDS
 High Definition Series



Peerless

Made In Denmark

Independently tested by:
STONES SOUND STUDIO
AUDIO & ACOUSTIC ENGINEERING CONSULTANTS
 SPEAKER ENCLOSURE DESIGN
 Active & Passive Crossover Design
 Commercial Speaker Driver Design
 LEAP design - LMS measurements
 Developments Upgrades Assesments

Russell Storey
 FAX 0266793700 PH 0266793059
 russellstorey@bigpond.com
 www.wescomponents.com/SSS

SSS PARAMETERS INCLUDED

Several samples from each driver were sent to Stones Sound Studio (SSS) for independent testing. These parameters are given in high resolution to facilitate better box and port calculations. Power ratings are very subjective, these are as given by Peerless. Data sheets for each driver are available. Please enquire.



Peerless



Speakers Of Cutting Edge Technology

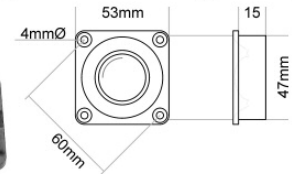
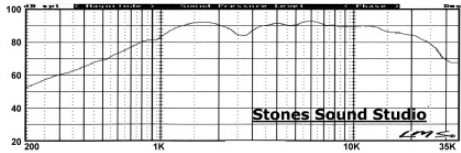
TWEETER NEODYMIUM 1"/50mmØ

New compact design based on the original soft dome fabric which so far has only been used to produce Peerless high end tweeters. The small yet powerful Neodymium magnet has been designed with emphasis on high temperature performance. Ferrofluid cooled.

Excellent solution for compact enclosures.

SSS "Recommend Xover 3.8KHz with 12dB/Octave"

- P/No. 53 NDT 26 25 SF FF
- Pwr 80Wmax
- Coil 26mmØ
- Mag 10g (1T) 25mmØ
- Zo 8.42Ω (5.58Ωdc)
- Fs 1424Hz
- Sens' 90.5dBm
- Qms 3.66
- Qes 2.70
- Qts 1.55
- Code 811435



Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. $\pm 5\%$). It is recommended that you acquire actual stock before drilling any holes!

TWEETER 1"/80mmØ

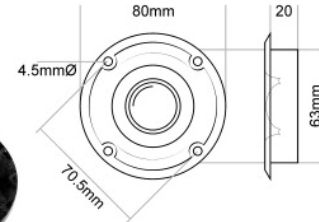
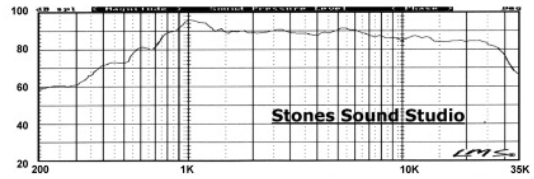
Same high end fabric dome material as the other Peerless tweeters. Non ferrofluid model giving a slightly brighter response, improves detail and micro dynamics.

Recommended for use with smaller low power designs.

Requires a high order crossover filter.

SSS "Recommend for 2 way bookshelf."

- P/No. 80 DT 25 55 SF
- Pwr 90Wmax (2K-20KHz)
- Coil 26mmØ
- Mag 150g 55mmØ
- Zo 22.4Ω (6.90Ωdc)
- Fs 1070.01Hz
- Sens' 89.0dBm
- Qms 5.5387
- Qes 2.4653
- Qts 1.7056
- Code 811582



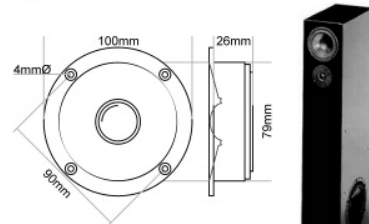
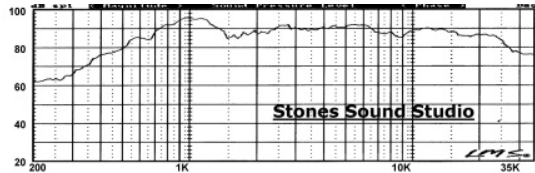
Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. $\pm 5\%$). It is recommended that you acquire actual stock before drilling any holes!

TWEETER 1"/100mmØ

Very popular Peerless tweeter with its wide angle front dispersion plate. This tweeter is highly recommended for demanding systems where quality must be at the highest level. Ferro fluid cooled giving extra damping for a smooth frequency & impedance response with a very high power capacity to meet most high end applications. Excellent off-axis response.

SSS "2 or 3way, excellent wide dispersion and high bandwidth"

- P/No. 100 DT 26 72 SF FF WA
- Pwr 130Wmax (3K-20KHz)
- Coil 26mmØ
- Mag 72mmØ
- Zo 16.01Ω (5.23Ωdc)
- Fs 1102.65Hz
- Sens' 90.5dBm
- Qms 2.0114
- Qes 0.9760
- Qts 0.6571
- Code 811827



Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. $\pm 5\%$). It is recommended that you acquire actual stock before drilling any holes!



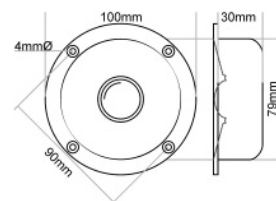
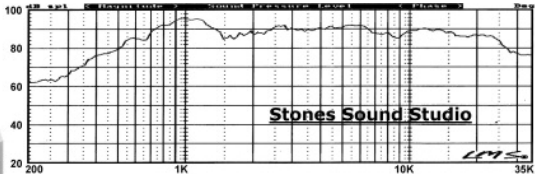
TWEETER 1"/100mmØ MAGNETICALLY SHIELDED

Same speaker as the popular 811827 unit with wide angle face and smooth high power ferro fluid, but with the addition of shielding. Low stray flux makes this high end tweeter ideal for surround sound applications where the driver is located near the television, etc.

Truly a high quality tweeter for use in demanding systems.

SSS "Excellent value Audiophile & home theater."

- P/No. 100 DT 26 60 SF WA TV
- Pwr 100Wmax (2K-20KHz)
- Coil 26mmØ
- Mag 60mmØ
- Zo 24.08Ω (5.19Ωdc)
- Fs 907.0029Hz
- Sens' 91.2dBm
- Qms 4.1497
- Qes 1.1402
- Qts 0.8944
- Code 812978



Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. $\pm 5\%$). It is recommended that you acquire actual stock before drilling any holes!

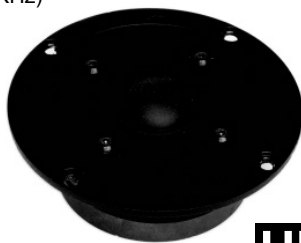


TWEETER 1"/105mmØ XLS HIGH DEFINITION

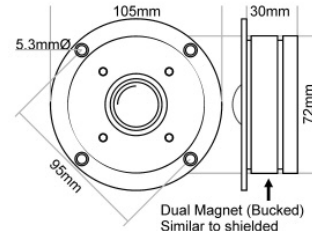
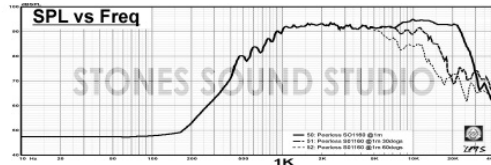
Developed & made by Peerless to Stones Sound Studios' specifications. Compliments & enhances the XLS driver range. Improved power handling, sensitivity and definition. Twin bucking magnet reduces stray fields (use near tv) and focuses BL flux. Inbuilt pole dampening with contoured pure fibre felt. Special, extremely low viscosity ferro fluid, ventilated alloy former, for faster speed and a better controlled motor assembly. Cast alloy flat fascia. Exposed treated soft dome. Off axis optimized.

P/No. 105 DK 26 72 SF FF DM (SO1160)

- Pwr 130Wrms (3K-20KHz)
- Coil 26mmØ
- Mag 72mmØ
- Zevc 5.1Ω
- Fs 1066Hz
- Sd 7.2cm²
- Vas 7.1mL
- Cms 96.522μM/N
- Mmd 220.000mg
- Mms 231.109mg
- BL 3.258 TM
- Sens' 92.951dBm
- Qms 1.184
- Qes 0.671
- Qts 0.428
- Code 810653



HDS
High Definition Series



Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. ± 5%) It is recommended that you acquire actual stock before drilling any holes!

Design of The Peerless high definition Tweeter for Home Theatre and Music (By Stones Sound Studio)

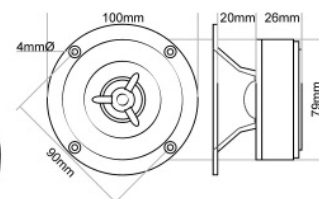
Designing a Special High End, High Definition Tweeter for Home Theatre *and* Music was certainly a worthy challenge. Usually we have a speaker system where we are listening to music in stereo but this has all changed. With the introduction of DVD, multi-channel surround sound is here to stay. Music listening now has to overlap with DVD home theatre action, special effects and music in the background of a movie. Thus simply relaxing at home now requires your speaker system to faithfully reproduce the incredible dynamics of this new medium, by having a very wide bandwidth and greater dynamic range with less distortion and also shielding properties for close proximity to your TV or computer monitor. The Peerless SO1160 26mm treated soft dome tweeter was developed by Stones Sound Studio in conjunction with Peerless in Denmark with all this in mind. Features include a wide dispersion with an alloy flat face plate, flat off-axis response, excellent dynamic range and micro low level detail is achieved with a pure copper voice coil, a low inductance conical felt damped internal cavity chamber and the use of high density reversed Double Magnets produces a high flux density and stray magnet field reduction. Also the use of extremely low viscosity ferro-fluid aids in keeping the voice coil heat dissipation temperature down and at the same time increasing the dynamic program range and maximum power of the unit. This new tweeter will meet the demands of any system using the Peerless range of drivers, especially the XLS series.



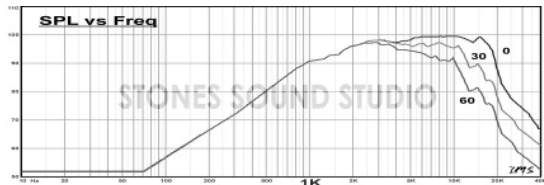
TWEETER 1"/100mmØ HORN LOADED

Gaining a resurgence in popularity. Inserted into range as requested. The horn loaded tweeter offers increased sensitivity for high efficiency, high output designs. Same 1" soft dome tweeter as the other high end Peerless tweeters, but with a horn baffle directing the sound forward giving about +6dB 15° on-axis. Also achieves linear-phase design with its 20mm countersinking (shares the sound origin of the woofer).

- P/No. 100 HDT 26 72 SF
- Pwr 100Wmax (3K-20KHz)
- Coil 26mmØ
- Mag 72mmØ
- Zo 8Ω (6.8Ωdc)
- Fs 1040Hz
- Sens' 99.5dBm !!!
- Code 811647



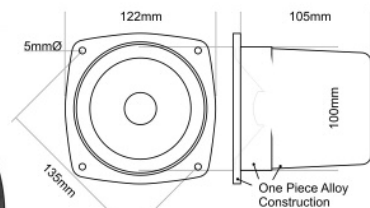
Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. ± 5%) It is recommended that you acquire actual stock before drilling any holes!



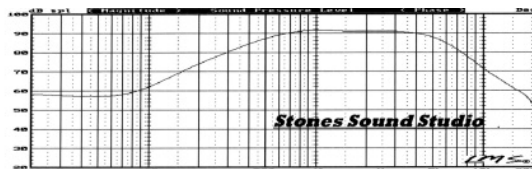
MIDRANGE SEALED BACK 4"

Fully enclosed, one piece integrated metal housing for simple installation and exceptional midrange sound reproduction. All polypropylene cone and surround with ferrofluid 1" voice coil for very high power handling and easy filtering. This driver has remained very popular because of its practicality and excellent sound.

- SSS "Recommend X-Over F=750Hz & 5KHz 6dB/Octave"
- P/No. 122 M 26 72 PPB FF
- Pwr 180Wmax (100Hz-5KHz)
- Coil 26mmØ
- Mag 72mmØ
- Zo 9.1726 (6.30Ωdc)
- Fs 641.9856Hz
- Sens' 91.5dBm
- Qms 1.07
- Qes 2.16
- Qts 0.72
- Code 821615



Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. ± 5%) It is recommended that you acquire actual stock before drilling any holes! See www.stonesoundstudio.com/peerless or www.peerless.dk for more data





Peerless

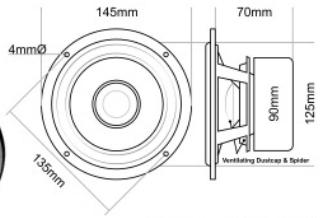


Speakers Of Cutting Edge Technology

WOOFER/MID 5" MAGNETICALLY SHIELDED

A new development from Peerless in response to surround applications. Shielded and highly recommended for center enclosures due to exceptional speech reproduction. Advanced polypropylene cone, rubber surround, rigid steel basket, aluminium ventilated voice coil, all contribute to an excellent performer for its size and price.

P/No. 145 WR 26 72 PPB TV
Pwr 100Wmax (20Hz-5KHz)
Coil 26mmØ
Mag 72mmØ
Zo 34.1904Ω (6.31Ωdc)
Fs 70.5175Hz
Sens' 89.51dB
Qms 2.0802
Qes 0.4708
Qts 0.3839
Vas 7.7984L
Code 831974

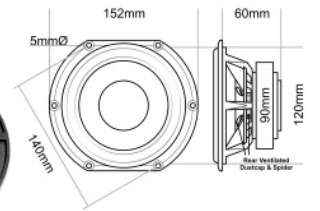


Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. $\pm 0.1\%$) It is recommended that you acquire actual stock before ordering any listed. See www.wescomponents.com/peerless or www.peerless.dk for more data.

WOOFER/MID 5"

A truly high end mid-woofer with a rigid aerodynamic cast aluminium basket and ventilated spider. All aspects of this drivers design and manufacture achieves the lowest possible compression, maximum exertion of the cone and ventilation, etc. for higher power, high SPL, excellent dynamics and efficiency at any volume. Very low harmonic and difference tone distortion

P/No. 134 WR 26 90 SD AL
Pwr 110Wmax (20Hz-5KHz)
Coil 26mmØ
Mag 90mmØ
Zo 39.6057Ω (5.54Ωdc)
Fs 58.0053Hz
Sens' 88.11dB
Qms 2.1670
Qes 0.3524
Qts 0.3031
Vas 7.5914L
Code 850488

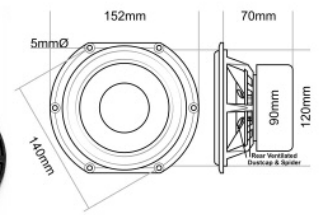


Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. $\pm 0.1\%$) It is recommended that you acquire actual stock before ordering any listed. See www.wescomponents.com/peerless or www.peerless.dk for more data.

WOOFER/MID 5" MAGNETICALLY SHIELDED

Same as the 850488 but magnetically shielded for near TV applications. Suitable for a wide range of situations including center or small bookshelf boxes as well as multiple alignment floor standing systems. The five layer sandwich cone improves accuracy and consistency of sound reproduction over the entire frequency range creating a more musical sound

P/No. 134 WR 26 81 SD AL TV
Pwr 110Wmax (20Hz-5KHz)
Coil 26mmØ
Mag 81mmØ
Zo 31.9631Ω (5.64Ωdc)
Fs 55.4487Hz
Sens' 86.82dB
Qms 2.1117
Qes 0.4525
Qts 0.3726
Vas 8.3076L
Code 850528



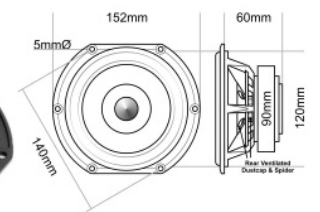
Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. $\pm 0.1\%$) It is recommended that you acquire actual stock before ordering any listed. See www.wescomponents.com/peerless or www.peerless.dk for more data.

WOOFER/MID 5" PHASE PLUG

Phase Plug model for maximizing this units excellent performance. Five layer sandwich cone. Aerodynamic Cast-Aluminium basket. Double bonded cone to voice coil. Open 26mm aluminium voice coil. Highest power with minimum compression.



P/No. 134 WR 26 90 SD CU PH 8Ω
Pwr 110Wmax (20Hz-5KHz)
Coil 26mmØ
Mag 90mmØ 400g
Zo 42.9Ω (5.8Ω 335Hz)
Le 1mH
Fs 53.2Hz
Sens' 87.9dB
Qms 2.83
Qes 0.44
Qts 0.38
Vas 8.8L
Code 850489



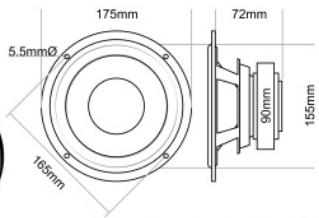
Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. $\pm 0.1\%$) It is recommended that you acquire actual stock before ordering any listed. See www.wescomponents.com/peerless or www.peerless.dk for more data.



WOOFER/MID 6½"

Unique polypropylene one piece cone with rubber roll surround. An excellent general purpose mid-woofer with extra heavy duty magnet designed for 2 or 3 way bass reflex enclosures. Steel basket. Large diameter aluminium voice coil for high long term power. An efficient smooth performer at a cost effective price.

P/No. 176 WR 26 90 CD
 Pwr 150Wrms (20Hz-5KHz)
 Coil 26mmØ
 Mag ½Kg (1.2T) 90mmØ
 Zo 32.2734Ω (6.25Ωdc)
 Fs 53.0048Hz
 Sens' 88.4803dBm
 Qms 2.3952
 Qes 0.5753
 Qts 0.4639
 Vas 17.6891L
 Code 831916



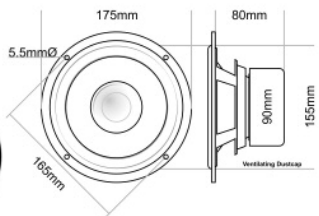
Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. $\pm 1\%$). It is recommended that you acquire actual stock before drilling any holes! See www.stonesoundstudio.com/peerless or www.peerless.dk for more data.



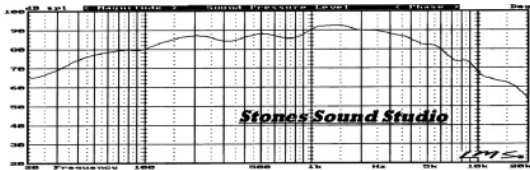
WOOFER/MID 6½" MAGNETICALLY SHIELDED

A well damped polypropylene cone with low resonance rubber roll surround. Ventilated dust cap, large diameter aluminium voice coil for high power. Large shielded magnet for use as a center speaker, etc. but due to its high performance this speaker is also suitable for main & surround boxes, or even small subwoofer applications giving impressive results.

P/No. 176 WR 26 72 PPB TV
 Pwr 100Wrms (20Hz-5KHz)
 Coil 26mmØ
 Mag ½Kg (1.2T) 72mmØ
 Zo 33.8432Ω (6.20Ωdc)
 Fs 50.6686Hz
 Sens' 88.5194dBm
 Qms 2.4298
 Qes 0.5450
 Qts 0.4451
 Vas 19.3579L
 Code 831975



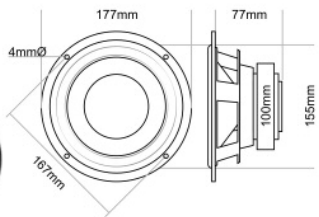
Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. $\pm 1\%$). It is recommended that you acquire actual stock before drilling any holes! See www.stonesoundstudio.com/peerless or www.peerless.dk for more data.



WOOFER/MID 6½"

A high end mid-woofer with a rigid pressed steel-alloy basket, multi-layered sandwich cone with inverted dust cap and high compliance rubber surround. Heavy duty construction with large ventilated high power aluminium voice coil, huge high density magnet with a very low distortion flux field design. Suitable for top of the line box applications.

P/No. 176 WR 33 102 SD AL
 Pwr 150Wrms (20Hz-5KHz)
 Coil 33mmØ
 Mag ½Kg (1.2T) 102mmØ
 Zo 39.5449Ω (6.12Ωdc)
 Fs 47.0016Hz
 Sens' 88.6698dBm
 Qms 2.3595
 Qes 0.4320
 Qts 0.3652
 Vas 19.9026L
 Code 850122



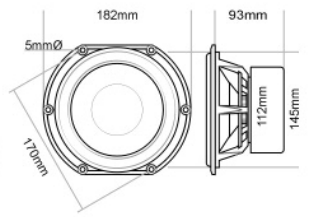
Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. $\pm 1\%$). It is recommended that you acquire actual stock before drilling any holes! See www.stonesoundstudio.com/peerless or www.peerless.dk for more data.



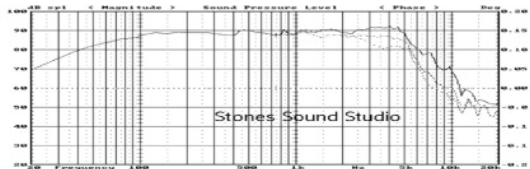
WOOFER/MID 6½" MAGNETICALLY SHIELDED

Magnetically shielded for near TV applications. Excellent DVD solution. Suitable for a wide range of situations including center or main boxes. The five layer sandwich cone improves accuracy and consistency of sound reproduction over the entire frequency range creating a more musical sound. A high SPL driver for filling a large room with effortless dynamics.

P/No. 164 WR 33 90 SD AL TV 8ohm
 Pwr 150Wmax (20Hz-5KHz)
 Coil 33mmØ
 Mag 90mmØ
 Zo 34.4Ω (6.3Ωdc)
 Fs 50.0Hz
 Sens' 87.8dB
 Qms 2.30
 Qes 0.51
 Qts 0.42
 Vas 15.7L
 Code 850594



Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. $\pm 1\%$). It is recommended that you acquire actual stock before drilling any holes!





Peerless



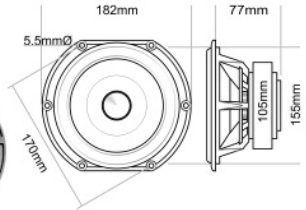
Made in Denmark

Speakers Of Cutting Edge Technology

WOOFER/MID 6½" PHASE PLUG

Static phase plug eliminates dust cap compression and assists heat sinking. Over sized rubber surround and ventilated spider, 33mm aluminium coil, sandwich composite cone, cast alloy open style basket, gold terminals. This mid-woofer uses an abundance of Peerless resources including years of experience and refined technology to produce an exceptional driver.

- P/No. 182 WR 33 102 SD AL PH LS
- Pwr 150Wrms (20Hz-5KHz)
- Coil 33mmØ
- Mag 0.68Kg (1.2T) 102mmØ
- Zo 35.7723Ω (5.60Ωdc)
- Fs 45.4354Hz
- Sens' 87.9426dBm
- Qms 2.4298
- Qes 0.4510
- Qts 0.3804
- Vas 16.0577L
- Code 850467



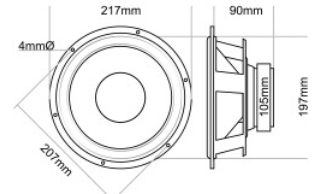
Stones Sound Studio

Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. ± 5%) It is recommended that you acquire actual stock before drilling any holes! See www.wescomponents.com/peerless or www.peerless.dk for more data.

WOOFER 8"

High end woofer with a large four layer voice coil and heavy magnet. Inverted dust cap, multi-layer sandwich cone, rubber roll surround. Well suited for reflex designs where this driver excels in producing a deep dry bass. The excellent midrange response makes this unit very easy to set up and filter, in fact it can even be used in a 2 way system.

- P/No. 217 WR 33 102 SD 4L
- Pwr 150Wrms (20Hz-5KHz)
- Coil 33mmØ
- Mag 102mmØ
- Zo 86.3275Ω (5.91Ωdc)
- Fs 33.2682Hz
- Sens' 92.5024dBm
- Qms 3.571
- Qes 0.2247
- Qts 0.2093
- Vas 70.5425L
- Code 850136



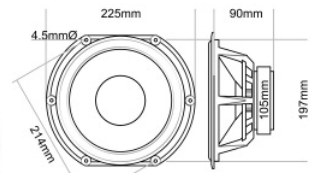
Stones Sound Studio

Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. ± 5%) It is recommended that you acquire actual stock before drilling any holes! See www.wescomponents.com/peerless or www.peerless.dk for more data.

WOOFER 8" CAST ALLOY BASKET

Same high end features as the 850136 with the addition of a cast alloy aluminium basket to improve rigidity and power handling, etc. The design of the Peerless basket front allows for very slim box design and close stacking of drivers if desired. Sandwich cone technology with high exertion surround and spider gives low harmonics and distortion.

- P/No. 205 WR 33 102 SD 4L AL
- Pwr 150Wrms (20Hz-5KHz)
- Coil 33mmØ
- Mag 0.8Kg (1T) 102mmØ
- Zo 63.6592Ω (5.74Ωdc)
- Fs 30.8605Hz
- Sens' 90.5dBm
- Qms 2.8578
- Qes 0.2832
- Qts 0.2577
- Vas 70.9869L
- Code 850490



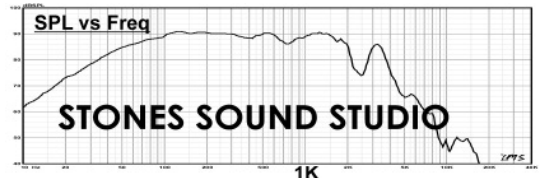
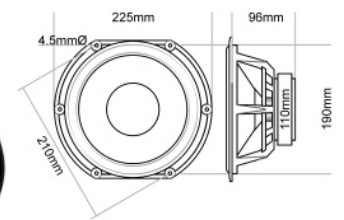
Stones Sound Studio

Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. ± 5%) It is recommended that you acquire actual stock before drilling any holes! See www.wescomponents.com/peerless or www.peerless.dk for more data.

SUBWOOFER 8" XTRA-LONG-STROKE 8Ω

New from Peerless to suit compact, unobtrusive subwoofer designs for home theater. Compliments the HDS range of drivers in looks, sound & efficiency. Achieve deep bass in a relatively small enclosure with high power handling and very low distortion or compression even at high volume levels. Oversized magnet. Ventilated coil. Fills medium sized rooms with warm bass.

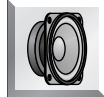
- P/No. 205 WR 39 11 HP LS AL XLS 8/5Ω
- Pwr 200Wrms (20Hz-5KHz)
- Coil 33mmØ
- Sd 23.6M²
- Revc 5.860Ω
- Fs 29.292Hz
- Sens' 89.812dBm
- Qms 2.781
- Qes 0.345
- Qts 0.307
- Vas 85.378 L
- Code 830491



SPL vs Freq

STONES SOUND STUDIO

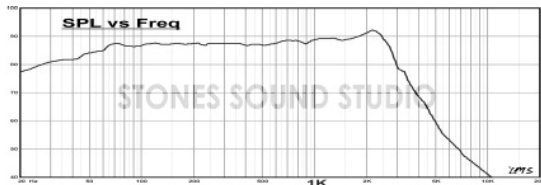
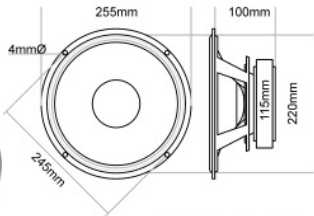
Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. ± 5%) It is recommended that you acquire actual stock before drilling any holes! See www.wescomponents.com/peerless or www.peerless.dk for more data.



WOOFER 10" HIGH END WOOFER CSX

Five layer sandwich cone with oversized magnet and extra long voice coil wound with large gauge copper to four layers! Special designed distortion killer short circuited ring in the magnet system. This driver gives exceptionally good linearity and very deep and clean bass. This driver is designed for home hifi 3/4 way systems but is also suitable for Subs, etc.

- P/No. 257 SWR 39 115 SDX 4LAL 8Ω
- Pwr 200Wrms
- Coil 39mmØ
- Mag 0.9Kg (0.85T) 115mmØ
- Zo 40.3Ω (6.2Ω@130Hz)
- Fs 22.6Hz
- Sens' 88.2dBm
- Qms 2.56
- Qes 0.40
- Qts 0.35
- Vas 144.4L
- Code 850146

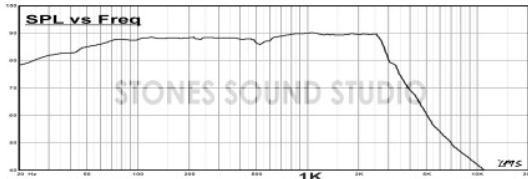
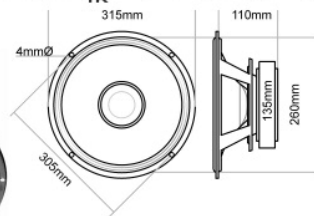


Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. ± 5%) It is recommended that you acquire actual stock before drilling any holes!

WOOFER 12" HIGH END WOOFER POLYPROPYLENE

A well damped polypropylene cone with low resonance rubber roll surround. Ventilated dust cap, large diameter 4 layer, aluminium voice coil for high power. Oversized magnet and heavy duty voice coil for a clean, fast and dry bass performance at even high volume levels. Highly recommended for surround sound systems with THX performance or high end 3/4 way systems.

- P/No. 315 SWR 39 134 PPX AL 4L 8Ω
- Pwr 220Wrms
- Coil 45mmØ
- Mag 1.3Kg (1T) 135mmØ
- Zo 47Ω (5.5Ω@120Hz)
- Fs 22.9Hz
- Sens' 89.3dBm
- Qms 3.90
- Qes 0.52
- Qts 0.46
- Vas 210.0L
- Code 831857

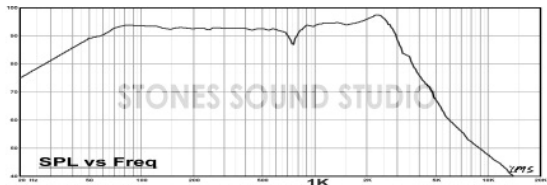
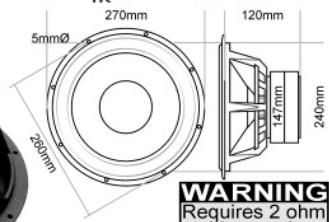


Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. ± 5%) It is recommended that you acquire actual stock before drilling any holes!

SUBWOOFER 10" XTRA-LONG-STROKE 4Ω

Design principals and the latest materials in the XLS range have achieved a new generation of low-frequency transducer. This range of subwoofers will pound the competition in both low frequency muscle and accuracy. A low Vas means a small box. For car applications this can be very small. Double magnet. Cast iron frame. Ventilated coil. Ask for a data sheet!

- P/No. 269 SWR 51 147 NX 4L ALP 4Ω
- Pwr 300Wrms
- Coil 51mmØ
- Mag 2.4Kg (1.04T) 147mmØ
- Revc 2.4Ω (@133Hz)
- Fs 39.4Hz
- Sens' 92.2dBm
- Qms 6.37
- Qes 0.42
- Qts 0.39
- Vas 21.4L
- Code 830514



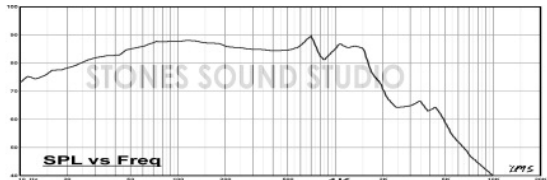
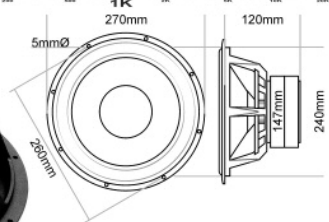
WARNING
Requires 2 ohm stable amp!

Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. ± 5%) It is recommended that you acquire actual stock before drilling any holes!

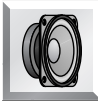
SUBWOOFER 10" XTRA-LONG-STROKE 8Ω

This is a new range from Peerless to suit the unlimited demands of bass hungry enthusiasts in home or automotive audio. Emphasis has been placed in design to achieve extremely deep bass, long time reliability, high power handling and very low distortion or compression under very large sound pressures. Double magnet. Cast iron frame. Gold 4mm binding posts.

- P/No. 269 SWR 51 147 NX ALP 4L XLS 8/5Ω
- Pwr 300Wrms
- Coil 51mmØ
- Mag 2.4Kg (1.04T) 147mmØ
- Zo 53.3Ω (4.9Ω@115Hz)
- Fs 18.9Hz
- Sens' 88.4dBm
- Qms 2.63
- Qes 0.18
- Qts 0.17
- Vas 80.2L
- Code 830452



Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. ± 5%) It is recommended that you acquire actual stock before drilling any holes!



Peerless

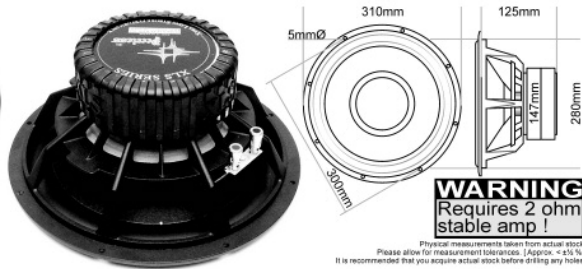
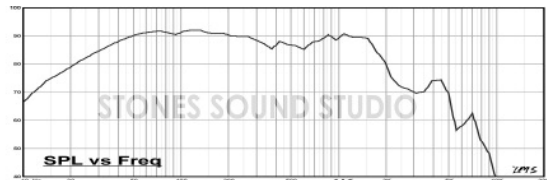


Speakers Of Cutting Edge Technology

SUBWOOFER 12" XTRA-LONG-STROKE 4Ω (2.2Ω!)

Ballistic performance subwoofer tweaked for use in car audio applications giving you advantages that will annihilate the competition. Specifications are best suited for small enclosure systems with very, very high current output amplifiers (**2Ω rated amp required**). Very clean. Very smooth. Double magnet. Cast iron frame. Gold 4mm binding posts.

- P/No. 308 SWR 51 147 NX ALP 4L XLS 4Ω
- Pwr 300Wrms
- Coil 51mmØ
- Mag 2.4Kg (1.04T) 147mmØ
- Zo 28.9Ω (2.2Ω@115Hz)
- Fs 28.2Hz
- Sens' 93.5dBm
- Qms 4.81
- Qes 0.32
- Qts 0.30
- Vas 80.5L
- Code 830515



WARNING
Requires 2 ohm stable amp!

Physical measurements taken from actual stock. Please allow for measurement tolerances. [Approx. ± 5%] It is recommended that you acquire actual stock before drilling any holes!

SUBWOOFER 12" XTRA-LONG-STROKE 8Ω (4.7Ω!)

XLS subwoofers will suit unlimited demands of bass hungry enthusiasts in home theater and audio. Emphasis has been placed in design to achieve extremely deep and accurate bass, reliability, high power handling and very low distortion & compression even under very large sound pressures. Double magnet. Cast iron frame. Gold 4mm binding posts.

- P/No. 308 SWR 51 147 NX ALP 4L XLS 8/5Ω
- Pwr 300Wrms
- Coil 51mmØ
- Mag 2.4Kg (1.04T) 147mmØ
- Zo 64.2Ω (4.7Ω@106Hz)
- Fs 18.1Hz
- Sens' 90.6dBm
- Qms 3.70
- Qes 0.21
- Qts 0.20
- Vas 136.8L
- Code 830500

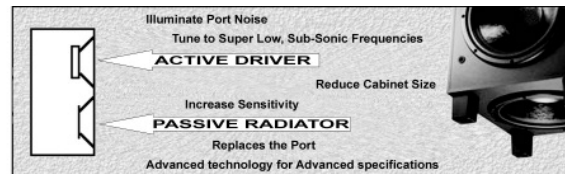


Physical measurements taken from actual stock. Please allow for measurement tolerances. [Approx. ± 5%] It is recommended that you acquire actual stock before drilling any holes!

PASSIVE RADIATOR 10" XTRA-LONG-STROKE

Identical speaker to the 10" XLS drivers (left) but without a magnet and the voice coil has been replaced with a weight. You can fine tune this mass by adding weight to the M5 threaded hole enabling excellent control over the final design. Passive radiators replace the port by adding a mass equivalent to the volume of air in a 10" tube. This eliminates air velocity noises and enables very low tuning F without ridiculously long or narrow port dimensions. Suit small enclosures. Suit home theater/audio. www.wescomponents.com/peerless for data sheets and box sizes suggestions.

- Fs 11.2Hz
- Qms 14
- Vas 80L
- Cms 0.508mm/N
- Rms 2Kg/s
- Mms 400g
- Sd 333cm²
- Xmax 22mm
- Code 830481



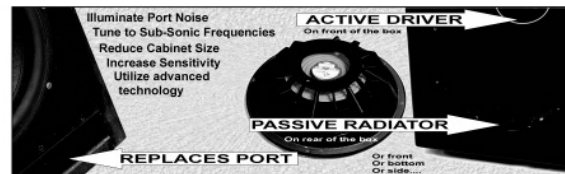
Use in conduction with our **10" XLS Driver**

Physical measurements taken from actual stock. Please allow for measurement tolerances. [Approx. ± 5%] It is recommended that you acquire actual stock before drilling any holes!

PASSIVE RADIATOR 12" XTRA-LONG-STROKE

Identical speaker to the XLS subwoofer driver but without a magnet or voice coil. You can fine tune the mass by adding weight to the M5 threaded hole enabling excellent control over the final design. Eliminate air velocity noises and achieve very low tuning F without ridiculously long or narrow port dimensions. Best matched with 12" XLS driver for a box volume of 40 to 50L (17Hz) Note: actually too low for the car, unless you want to impress people outside the vehicle (produces 50ft wave lengths!).

- Mass 425g
- Fs 10.4Hz
- Qms 15.2
- Vas 169.6L
- Cms 0.55mm/N
- Rms 1.8Kg/s
- Mms 425g
- Sd 466cm²
- Xmax 24mm
- Code 830548



No Magnet!
No Voice Coil!

Physical measurements taken from actual stock. Please allow for measurement tolerances. [Approx. ± 5%] It is recommended that you acquire actual stock before drilling any holes!



OEM - PURCHASE IN BULK AND SAVE!

Peerless speakers will be supplied individually packaged when ordered using the Peerless order CODE. Or...

Order in BULK and save!

Peerless speakers arrive in Australia packaged in cartons. If you are a speaker constructor, we recommend you take advantage of the cost savings when ordering BULK Carton quantities. Prices below are per box. Higher discounts are available for larger quantities. Please enquire Use the bulk order CODEs below when ordering speakers by the carton, **AND SAVE!**



BULK - Prices are per carton

Order ONE to receive a box with the Quantity listed.

Code	Speaker		per box of
PB811435	Tweeter 50mm	\$	10
PB811582	Tweeter 80mm	\$	10
PB811827	Tweeter 100mm	\$	6
PB812978	Tweeter 100mm TV	\$	6
PB811647	Tweeter 100mm Horn	\$	8
PB810653	Tweeter 105mm HDS	\$	8
PB821615	Midrange 120mm	\$	12
PB831974	Mid/Woof 145mm TV	\$	10
PB850488	Mid/Woof 145mm Cast	\$	12
PB850528	Mid/Woof 145mm Cast TV	\$	12
PB831916	Mid/Woof 175mm	\$	8
PB831975	Mid/Woof 175mm TV	\$	8
PB850122	Mid/Woof 175mm Cast	\$	8
PB850467	Mid/Woof 175mm Phase	\$	8
PB830491	Woofer 175mm XLS	\$	6
PB850136	Woofer 210mm	\$	6
PB850490	Woofer 210mm Cast	\$	6
PB850146	Woofer 250mm CSX	\$	6
PB831857	Woofer 300mm Poly	\$	4



SUBWOOFER AMPLIFIERS

Self contained, high power amplifiers for making an active subwoofer enclosure. Simply cut a hole, connect the speaker internally, and start bothering your neighbors! Drives one 4Ω (or an 8Ω) or two 8Ω-parallel subwoofers (*NOT 2Ω stable, so we recommend only driving one 8Ω Peerless subwoofer*). Heavy duty design and construction. Plugs direct into 240V. Gold plated RCA line level input or speaker-thru signal connections (Not High-Pass filtered). Inbuilt active Low-Pass adjustable filter (60 to 180Hz F2) for easy matching to your existing speaker system. Suitable for connection to a standard stereo amp or the latest home theater systems with DVD, etc. Phase reverse switch. Gain control. Thermal protected. Transistor outputs. Large power supplies. Auto-switching power on audio signal input. Quality, sturdy construction with air tight plastic enclosure box and a heavy metal fascia with foam grommet for a low resonant operation.



200Wrms NEW SSS IMPROVED !

4 transistor output
High power design.
-3dB@15Hz!
Size 215x215x90mm(4L)
Power 200W 4Ω (500Wmax)
Code S200W

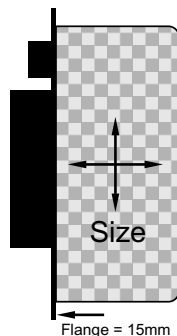


150Wrms

4 transistor output
High power design.
Size 215x215x90mm(4L)
Power 150W 4Ω (420Wmax)
Code S150ETH

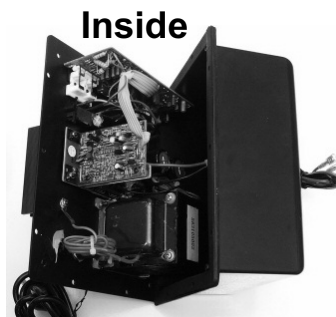
100Wrms

Size 195x165x80mm(2.5L)
Power 100W (280Wmax)
Code S100ETH



50Wrms

Size 195x165x80mm(2.5L)
Power 50W (140Wmax)
Code S50ETH



Controls





Peerless



Speakers Of Cutting Edge Technology

PEERLESS Driver Applications for Wes Components Australia.

By Gert Christensen. Peerless Denmark.

F(ratio) is the relation between the drivers FS and QT. $F(\text{ratio}) = fs/Qts$. When F(ratio) is low it indicates that the drivers damping is low, or with other words Qt is relative high. And when F(ratio) is high it tells that the drivers damping is high, meaning a relative low QT. Looking at various data sheets, figures between 40-120 is very normal.

- A : When F(ratio) is between 40-70 the optimal use of the driver is Closed boxes.
- B : When F(ratio) is between 70-85 the use of the driver can be closed boxes or vented boxes.
- C : When F(ratio) is between 85-110 the optimal use of the driver is vented boxes.
- D : When F(ratio) gets higher than 120-130 it is a highly damped driver, and it must be vented to get response in the low end

I have made the following suggestions according to get a flat response, - as low as possible. Meaning in practice, - I do not recommend the drivers to be tuned lower than the drivers resonance frequency. For each driver I also suggest some cross-over points based on my own experiences and general knowledge about how the drivers are used by other customers. The type of cross-over must be an individual choice for each driver, but I have mostly used 12 dB per octave types.

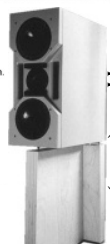
850488 / 850528 / 831974 - 5" as Satellites Speakers:

For small satellites it would be best to use the driver in a closed box. Box sizes from 3-6 ltr will be suitable, double this for D'Appolito. Cross-over frequency of between 100 & 200 Hz to Sub is recommendable for this model.

Peerless loudspeaker codes

1 2 3 4 5 6 7 7 7
830533 Peerless 289 SWR 51 147 NX ALP 4L XLS 4 Ohm high-end subwoofer

- 1) Type number
- 81xxxx Cone tweeters
- 82xxxx Midranges
- 83xxxx Woofers
- 3) Surround material or speakerdescription
- WR Woofer rubber
- MC Cone midrange sealed back
- SWR Subwoofer rubber
- DT Dome tweeter
- HDT Horn dome tweeter
- FF Ferrifluid cooled
- 6) Cone / dome material
- PPB Black polypropylene
- PPX Thick black polypropylene
- SD Sandwich diaphragm
- SDX Sandwich diaphragm thick
- XLS Extra long stroke subwoofer
- SF Soft fabric
- Nomex@Kevlar@fibreglass@ wood-free pulp combination cone
- 2) Loudspeaker diameter
- The outer diameter of the basket in mm.
- 4) Voice coil diameter
- The outer diameter of the voice coil in mm.
- 5) Magnet diameter
- The outer diameter of the magnet in mm.
- 7) Special features
- AL Aluminium short circuiting ring
- ALP Aluminium spacer
- 4L Four layer voice coil
- TV Magnetically shielded



D'Appolito (ATM)

Speaker Description	WES Code	Box Volume	F3	Tune Freq.	Port 33mm	Port 50mm	Port 60mm	Port 66mm	Port 110mm
5" TV	850528	10L	60Hz	62Hz	45mm	125mm	185mm	220mm	660mm
		5L	80Hz	78Hz	60mm	160mm	215mm	250mm	1400mm
5" Cast	850488	10L	62Hz	65Hz	35mm	100mm	157mm	195mm	600mm
		5L	85Hz	78Hz	60mm	160mm	240mm	290mm	850mm
5" Polly'	831974	10L	70Hz	72Hz	25mm	77mm	120mm	150mm	500mm
		5L	85Hz	82Hz	50mm	140mm	210mm	260mm	770mm
6.5" Poly TV	831975	25L	48Hz	48Hz	20mm	65mm	100mm	130mm	415mm
		15L	55Hz	55Hz	30mm	95mm	145mm	180mm	550mm
6.5" Poly SDX	831916	25L	48Hz	50Hz	15mm	60mm	92mm	115mm	375mm
		15L	55Hz	55Hz	30mm	100mm	150mm	180mm	550mm
6.5" Cast	850122	30L	42Hz	42Hz	25mm	75mm	120mm	150mm	460mm
		20L	48Hz	48Hz	30mm	90mm	140mm	175mm	540mm
6.5" Phase	850467	25L	48Hz	45Hz	20mm	65mm	100mm	130mm	415mm
		15L	55Hz	52Hz	40mm	110mm	165mm	200mm	620mm
8" CSX	850136	60L	40Hz	40Hz	2mm	25mm	45mm	60mm	220mm
		40L	45Hz	45Hz	8mm	35mm	60mm	80mm	275mm
		25L	52Hz	50Hz	17mm	60mm	90mm	120mm	375mm
8" Cast	850490	70L	40Hz	40Hz	0mm	15mm	30mm	45mm	175mm
		55L	45Hz	45Hz	0mm	15mm	30mm	45mm	175mm
		35L	50Hz	50Hz	5mm	30mm	55mm	70mm	250mm

Peerless 830500 12"XLS

Fs 18.10 Hz
Re 3.50 Ohm
Qms 3.70
Qes 0.21
Sd 442.0 cm2
Vas 136.8 l
Xmax peak 33.00 mm
Nominal Power 500.0 W
Series res 0.00 Ohm

Calculated Parameters
SPL at 1 W 1 m 87.8 dB
Max SPL 114.8 dB
Effective Qts 0.199
Mfms 169.43 g
Cms 0.456 mm/N
Rms 5.208 kg/s
Bl 17.92 N/A
FBP 86.19

Constants
Sound speed 345.0 m/s
Air density 1.18 kg/m3
Linear Cone Overdrive 1.00

Suggested Box Type
Vented box

Closed Box
Standard Design
Vb 11.7 l
Fb 64.40 Hz
F3 64.40 Hz
Qtc 0.707
Response peak 0.00 dB
Max power input 4565.6 W
Design by Vb and Q
Physical Vb 10.9 l
Absorption, Qa 120
Leakage, Ql 30
Alpha, a 12.389
Vb 11.0 l
Fb 64.33 Hz
F3 64.26 Hz
Response peak 0.01 dB
Peak at none Hz

Vented Box
Port
No of ports 1
Inside port dia. 10.00 cm
Port area 78.54 cm2
Port end correction 0.614
Standard Design
Vb 13.2 l
Fb 37.35 Hz
F3 50.40 Hz
Port min dia. l 32.06 cm
Port length 122.25 cm
Design by Vb, Fb and Q
Physical Vb 55.0 l
Absorption, Qa 120
Leakage, Ql 30
Port, Qp 70
Alpha, a 2.458
Vb 55.7 l
Fb 27.96 Hz
h 1.545
F3 25.69 Hz
Response peak 0.00 dB
Peak at none
Port min dia. l 34.47 cm
Port length 48.25 cm
Port l. resonance 317 Hz

Passive Radiator Box Peerless 830548 (425g)
Passive Radiator
Fsp 9.66 Hz
Mmp 425.0 g
Qmp 15.20
Sdp 466.0 cm2
Xpmax 24.00 mm
Vcsp 194.9 l
Cmp 0.639 mm/N
Rmp 1.697 kg/s
Design by Vb, Mmp and Q
Physical Vb 50.0 l
Absorption, Qa 120
Leakage, Ql 30
Alpha, a 2.703
My, u 0.260
Vb 50.6 l
Fb 21.27 Hz
h 1.175
F3 66.87 Hz
Response peak 0.00 dB
Peak at none

Peerless 830452

Fs 18.90 Hz
Re 4.90 Ohm
Qms 2.63
Qes 0.18
Sd 333.0 cm2
Vas 80.2 l
Xmax peak 22.00 mm
Nominal Power 500.0 W
Series res 0.00 Ohm

Calculated Parameters
SPL at 1 W 1 m 86.7 dB
Max SPL 113.7 dB
Effective Qts 0.168
Mfms 137.71 g
Cms 0.515 mm/N
Rms 6.218 kg/s
Bl 21.10 N/A
FBP 105.00

Constants
Sound speed 345.0 m/s
Air density 1.18 kg/m3
Linear Cone Overdrive 1.00

Suggested Box Type
Vented box

Closed Box
Standard Design
Vb 4.8 l
Fb 79.32 Hz
F3 79.33 Hz
Qtc 0.707
Response peak 0.00 dB
Max power input 3115.7 W
Design by Vb and Q
Physical Vb 4.5 l
Absorption, Qa 120
Leakage, Ql 30
Alpha, a 17.665
Vb 4.5 l
Fb 81.65 Hz
F3 81.67 Hz
Response peak 0.01 dB
Peak at none Hz

Vented Box
Port
No of ports 1
Inside port dia. 10.00 cm
Port area 78.54 cm2
Port end correction 0.614
Standard Design
Vb 4.5 l
Fb 46.18 Hz
F3 67.16 Hz
Port min dia. l 21.08 cm
Port length 240.93 cm
Design by Vb, Fb and Q
Physical Vb 55.0 l
Absorption, Qa 120
Leakage, Ql 30
Port, Qp 70
Alpha, a 1.441
Vb 55.7 l
Fb 25.19 Hz
h 1.333
F3 23.58 Hz
Response peak 0.00 dB
Peak at none
Port min dia. l 24.53 cm
Port length 60.90 cm
Port l. resonance 257 Hz

Passive Radiator Box Peerless 830481 (400g)
Passive Radiator
Fsp 11.20 Hz
Mmp 400.0 g
Qmp 14.00
Sdp 333.0 cm2
Xpmax 22.00 mm
Vcsp 78.6 l
Cmp 0.505 mm/N
Rmp 2.011 kg/s
Design by Vb, Mmp and Q
Physical Vb 50.0 l
Absorption, Qa 120
Leakage, Ql 30
Alpha, a 1.585
My, u 0.644
Vb 50.6 l
Fb 17.90 Hz
h 0.947
F3 99.25 Hz
Response peak 0.00 dB
Peak at none

Experiment with a freeware program today!

<http://www.danbbs.dk/~ko/ubmodel.htm>